

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5008718".pn.	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/12 09:24
L2	1	"5008718".pn.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 09:24
L3	297115	("257" or "438").clas.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 09:36
L27	21	(boron gallium indium phosphide) or (gallium indium boron phosphide) or BGaInP or ("B. sub."\$17"Ga.sub."\$17"In. sub."\$17"P.sub."\$17) or (B"Ga.sub."\$17"In. sub."\$17"P.sub."\$17) or ("B.sub."\$17Ga"In. sub."\$17"P.sub."\$17) or ("B.sub."\$17"Ga. sub."\$17In"P.sub."\$17) or ("B.sub."\$17"Ga. sub."\$17"ln.sub."\$17P) or (B"Ga.sub."\$17"ln. sub."\$17P) or (BGa"ln. sub."\$17"P.sub."\$17) or ("B.sub."\$17GaIn"P. sub."\$17) or ("B. sub."\$17"Ga.sub."\$17InP) or (B"Ga.sub."\$17InP. sub."\$17) or ("B. sub."\$7Ga"ln.sub."\$17P)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:27
L28	4963	(boron arsenide phosphide) or (arsenide boron phosphide) or BAsP or ("B.sub."\$3AsP) or (B"As.sub."\$3P) or (BAs"P. sub."\$3) or ("B.sub."\$3"As. sub."\$3"P.sub."\$3) or ("B. sub."\$3"As.sub."\$3P) or ("B.sub."\$3As"P.sub."\$3) or (B"As.sub."\$3"P. sub."\$3) or BPAs or ("B. sub."\$3PAs) or (BP"As. sub."\$3) or (B"P. sub."\$3As) or ("B. sub."\$3"P.sub."\$3"As. sub."\$3) or ("B.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:30

		sub."\$3P"As.sub."\$3) or ("B.sub."\$3" P.sub."\$3As) or (B" P.sub."\$3" As. sub."\$3)				
L30	3511	(boron nitride phosphide) or (nitride boron phosphide) or BNP or ("B. sub."\$3NP) or (B"N. sub."\$3P) or (BN"P. sub."\$3) or ("B.sub."\$3" N. sub."\$3" P.sub."\$3) or ("B. sub."\$3" N.sub."\$3P) or ("B.sub."\$3N" P.sub."\$3) or (B"N.sub."\$3" P. sub."\$3) or BPN or ("B. sub."\$3PN) or (BP"N. sub."\$3) or (B"P. sub."\$3N) or ("B. sub."\$3" P.sub."\$3" N. sub."\$3) or ("B. sub."\$3P" N.sub."\$3) or ("B.sub."\$3" P.sub."\$3N) or (B"P.sub."\$3" N. sub."\$3)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:31
L34	139452	(boron phosphide) or BP or ("B.sub."\$3P) or (B"P. sub."\$3) or ("B.sub."\$3" P. sub."\$3) or (P"B.sub."\$3) or ("P. sub."\$3" B.sub."\$3)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:35
L35	3483	3 and (34 or 27 or 28 or 30)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:35
L36	579	35 and LED	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:35
L37	297	36 and @pd<"20040314"	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 10:35
L38	1	"7315050".pn.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:21
L39	64951	(sughrue mion).att.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:25
L40	2267	39 and "257".clas.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:25
L41	240	40 and led	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:25

L42	52	40 and (34 or 27 or 28 or 30)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:25
L43	99649	(sughrue mion)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:27
L44	3697	43 and "257".clas.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:27
L45	107	44 and (34 or 27 or 28 or 30)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:27
L46	97	((TAKEUCHI near2 RYOUICHI) or (UDAGAWA near2 TAKASHI)).inv.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 11:43
L47	903	(current diffusion)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 13:58
L48	18	46 and 47	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 13:58
L49	29	(kazutaka near2 terashima).inv.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 14:09
L50	50	(46 or 49) and ((current diffusion) or window)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 14:10
L51	2	(michiya near2 odawara).inv.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 14:12
L52	50	(46 or 49 or 51) and ((current diffusion) or window)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 14:12
L53	62	(US-20030234400-\$ or US-20070259510-\$ or US-20040232404-\$ or US-20040183089-\$ or US-20040169191-\$ or US-20040169184-\$ or US-20040169180-\$ or US-20040144990-\$ or US-20040079959-\$ or US-20030178631-\$ or US-20030173573-\$ or US-20030162371-\$ or US-20030160253-\$ or US-20030141509-\$ or US-20030047795-\$ or US-20030027099-\$ or US-20030001162-\$ or US-20020113235-\$ or US-20020000563-\$ or US-	US_PGPUB; USPAT	ADJ	ON	2008/06/12 14:23

		20010054717-\$ or US-20070194335-\$ or US-20080135852-\$ or US-20070246719-\$ or US-20070221946-\$ or US-20070215886-\$ or US-20070200114-\$).did. or (US-20070164304-\$ or US-20060237741-\$ or US-20060214182-\$ or US-20060163603-\$ or US-20060163588-\$ or US-20060043506-\$ or US-20030224548-\$ or US-20030052323-\$ or US-20010036678-\$).did. or (US-5008718-\$ or US-7315050-\$ or US-7211836-\$ or US-7034330-\$ or US-7030003-\$ or US-6984851-\$ or US-6936863-\$ or US-6846754-\$ or US-6835962-\$ or US-6831304-\$ or US-6831293-\$ or US-6809346-\$ or US-6797990-\$ or US-6787814-\$ or US-6774402-\$ or US-6730987-\$ or US-6730941-\$ or US-6541799-\$ or US-6531716-\$ or US-6194744-\$ or US-6069021-\$ or US-7365366-\$ or US-7057210-\$ or US-6828169-\$ or US-6677615-\$ or US-6512248-\$).did. or (US-6346719-\$).did.				
L54	1	53 NOT (46 or 49 or 51)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 14:23
L55	9	53 and algainp	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:10
L56	2	53 and (34 or 27 or 28 or 30) and algainp	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:10
L57	2	53 and (34 or 27 or 28 or 30) and (algainp or ("Al. sub. "\$17"Ga.sub."\$17"ln. sub. "\$17"P.sub."\$17))	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:13
L64	98	3 and (34 or 27 or 28 or 30) and (\$5algain\$5 or ("Al.sub."\$17"Ga. sub. "\$17"ln.sub."\$17) or (Al"Ga.sub."\$17"ln. sub."\$17) or ("Al. sub. "\$17"Ga.sub."\$17 n))	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:43

L65	29	64 and ((current diffusion) or window)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:45
L66	13	65 and @pd<"20040314"	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 16:46
L67	8773	(aluminum gallium indium) or (\$5algain\$5 or ("Al.sub."\$17"Ga.sub."\$17"In.sub."\$17) or (Al"Ga.sub."\$17"In.sub."\$17) or ("Al.sub."\$17"Ga.sub."\$17In))	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 17:28
L69	118	(boron Aluminum phosphide) or (Aluminum boron phosphide) or BAIP or AlBP or ("B.sub."\$3AIP) or (B"Al.sub."\$3P) or (BAI"P.sub."\$3) or ("B.sub."\$3"Al.sub."\$3" P.sub."\$3) or ("B.sub."\$3"Al) or (B"Al.sub."\$3P) or (B"Al" P.sub."\$3) or (B"Al.sub."\$3" P.sub."\$3) or (BPAI or ("B.sub."\$3PAI) or (BP"Al.sub."\$3) or (B" P.sub."\$3Al) or ("B.sub."\$3Al) or ("B.sub."\$3" P.sub."\$3"Al) or ("B.sub."\$3" P.sub."\$3"Al) or (B" P.sub."\$3"Al) or ("B.sub."\$3)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 17:32
L70	362	(boron Gallium phosphide) or (Gallium boron phosphide) or BGaP or GaBP or ("B.sub."\$3GaP) or (B"Ga.sub."\$3P) or (BGa"P.sub."\$3) or ("B.sub."\$3"Ga.sub."\$3" P.sub."\$3) or ("B.sub."\$3"Ga" P.sub."\$3) or (B"Ga.sub."\$3" P.sub."\$3) or (B"Ga" P.sub."\$3" P) or (B"Ga.sub."\$3) or BPGa or ("B.sub."\$3PGa) or (BP"Ga.sub."\$3) or (B" P.sub."\$3Ga) or ("B.sub."\$3" P.sub."\$3" Ga) or ("B.sub."\$3" P.sub."\$3" Ga) or (B" P.sub."\$3" Ga) or ("B.sub."\$3)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 17:34

L71	114	(boron Indium phosphide) or (Indium boron phosphide) or BInP or InBP or ("B.sub."\$3InP) or (B"In.sub."\$3P) or (BIn"P. sub."\$3) or ("B.sub."\$3"In. sub."\$3"P.sub."\$3) or ("B. sub."\$3"In.sub."\$3P) or ("B.sub."\$3In"P.sub."\$3) or (B"In.sub."\$3"P. sub."\$3) or BPIn or ("B. sub."\$3PIn) or (BP"In. sub."\$3) or (B"P. sub."\$3In) or ("B. sub."\$3"P.sub."\$3"In. sub."\$3) or ("B. sub."\$3P"In.sub."\$3) or ("B.sub."\$3"P.sub."\$3In) or (B"P.sub."\$3"In. sub."\$3)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 17:35
L72	12	3 and (69 or 70 or 71) and 67	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 17:37
L73	2	("6835962" or "6984851").pn.	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:00
L74	4	((current diffusion) or window) SAME (69 or 70 or 71)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:02
L75	1	"20030234400".pn. and (clad or barrier)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:09
L76	0	67and (clad or barrier)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:44
L77	3457	67 and (clad or barrier)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:44
L78	1542	67 WITH (clad or barrier or cladding)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:44
L79	709	78 and @pd<"20040314"	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:44
L80	435	78 SAME ((band gap) or bandgap)	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:45
L81	232	80 and @pd<"20040314"	US_PGPUB; USPAT; IBM_TDB	ADJ	ON	2008/06/12 18:46

L82	65	(US-20030234400-\$ or US-20070259510-\$ or US-20040232404-\$ or US-20040183089-\$ or US-20040169191-\$ or US-20040169184-\$ or US-20040169180-\$ or US-20040144990-\$ or US-20040079959-\$ or US-20030178631-\$ or US-20030173573-\$ or US-20030162371-\$ or US-20030160253-\$ or US-20030141509-\$ or US-20030047795-\$ or US-20030027099-\$ or US-20030001162-\$ or US-20020113235-\$ or US-20020000563-\$ or US-20010054717-\$ or US-20070194335-\$ or US-20080135852-\$ or US-20070246719-\$ or US-20070221946-\$ or US-20070215886-\$ or US-20070200114-\$).did. or (US-20070164304-\$ or US-20060237741-\$ or US-20060214182-\$ or US-20060163603-\$ or US-20060163588-\$ or US-20060043506-\$ or US-20030224548-\$ or US-20030052323-\$ or US-20010036678-\$ or US-20030218180-\$ or US-20070131959-\$ or US-20040026703-\$).did. or (US-5008718-\$ or US-7315050-\$ or US-7211836-\$ or US-7034330-\$ or US-7030003-\$ or US-6984851-\$ or US-6936863-\$ or US-6846754-\$ or US-6835962-\$ or US-6831304-\$ or US-6831293-\$ or US-6809346-\$ or US-6797990-\$ or US-6787814-\$ or US-6774402-\$ or US-6730987-\$ or US-6730941-\$ or US-6541799-\$ or US-6531716-\$ or US-6194744-\$ or US-6069021-\$ or US-7365366-\$ or US-7057210-\$ or US-6828169-\$ or US-6677615-\$ or US-6512248-\$).did. or (US-6346719-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/06/12 19:34
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L83	2474	257/103.ccls.	US_PGPUB; USPAT	ADJ	ON	2008/06/12 19:35
L84	222	257/e33.049.ccls.	US_PGPUB; USPAT	ADJ	ON	2008/06/12 19:37
L85	2657	83 or 84	US_PGPUB; USPAT	ADJ	ON	2008/06/12 19:37
S2	0	jp05 and "04894"	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:03
S3	15086	(showa denko).as.	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:04
S4	473	S3 and led	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:04
S5	368	S4 and (boron or b)	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:05
S6	241	S5 and (phosphorus or p)	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:05
S7	93	S6 and @pd< "20040314"	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:06
S8	498	((TAKEUCHI near2 RYOICHI) or (UDAGAWA near2 TAKASHI)).inv.	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:10
S9	408	S8 and @pd< "20040314"	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:11
S10	33	S9 and led	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:11
S11	0	JP02003282941.pn.	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:12
S12	0	JP2003282941.pn.	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:12
S13	1	"2003282941".pn.	JPO; IBM_TDB	ADJ	ON	2008/06/11 09:13
S14	100	S3 and (boron phosphide)	US_PGPUB; USPAT; DERWENT; IBM_TDB	ADJ	ON	2008/06/11 09:22

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